## INTERNATIONAL SEARCH REPORT

International application No. PCT/KR03/01448

## CLASSIFICATION OF SUBJECT MATTER A.

IPC7 B41J 2/17

According to International Patent Classification (IPC) or to both national classification and IPC

## FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC7 B41J2/17, B41J2/175, B41J2/045

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patents and applications for inventions since 1975 Japanese Utility models and application for Utility Models since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used)

## DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5966156A (HEWLETT-Packard CO) 12 OCTOBER 1999, see the whole document	1,2
A	JP 11-048475A (SEIKO EPSON CORP) 23 FEBUYARY 1999, see the whole document	1 .
A	JP 10-000789A (HEWLETT-Packard CO) 6 JANUARY 1998, see the whole document	1, 2
A	KR 20-0268763 Y1(RIU WIN IN) 16 MARCH 2002, see the whole document	1, 2
A	KR 10-2002-0067452 A(DAE HWAN KIM) 22 AUGUST 2002, see the whole document	1, 2
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Further	documents are listed in the continuation of Box C.		See patent family annex.
"A" document to be of p "E" earlier ap filing dat "L" document cited to concern document means "P" document doc	ategories of cited documents: a defining the general state of the art which is not considered articular relevance plication or patent but published on or after the international at the which may throw doubts on priority claim(s) or which is stablish the publication date of citation or other eason (as specified) at referring to an oral disclosure, use, exhibition or other at published prior to the international filing date but later priority date claimed	"X" "Y"	
	ctual completion of the international search	Dat	e of mailing of the international search report 18 NOVEMBER 2003 (18.11.2003)
	17 NO VENIBER 2003 (17.11.2003)	Aut	horized officer

Name and mailing address of the ISA/KR

Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea JUNG, Heong Young

Facsimile No. 82-42-472-7140

Telephone No. 82-42-481-5499

